WHAT IS CLAIMED IS:

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- 1. A method for treating a subject for a disease selected from the group consisting of heart disease, gallstone disease, colorectal cancer, a precursor of colorectal cancer, gastroesophageal reflux diseases, esophageal cancer, COX-2 mediated inflammatory conditions and cholestatic liver disease, the method comprising: orally administering a molecularly imprinted polymer to the subject.
- 2. The method of claim 1, wherein the subject is treated for at least two of the above diseases concurrently.
- 3. The method of claim 1, wherein said molecularly imprinted polymer is capable of binding to the toxin and sequestering the toxin.
- 4. The method of claim 3, wherein said molecularly imprinted polymer comprises at least one functional monomer selected from the group consisting of: 2-, 3- and 4-vinyl-2-hydroxypyridine and N,N'-diethyl(4-vinylphenyl)amidine.
- 5. The method of claim 4, wherein said molecularly imprinted polymer further comprises a cross-linking agent for cross-linking said at least one functional monomer, wherein said crosslinking agent is selected from the group consisting of ethyleneglycol dimethacrylate, N,N'-diacryloyl- or N,N'-dimethacryloyl ethylenediamine, N,N'-diacryloyl- or N,N'-dimethacryloyl 1,3-diaminobenzene, N,N'-diacryloyl- or N,N'-dimethacryloyl 1,4-diaminobenzene, a diacrylate or dimethacrylate of 1,2-, 1,3-, or 1,4-dihydroxybenzene,

N,N'-(4-vinylbenzoyl)-1, ω -diaminoalkane, and an N,N'-diacryloyl- or N,N'-dimethacryloyl 1, ω -diaminoalkane.

- 6. The method of claim 3, wherein the toxin comprises at least one bile acid or salt, or a combination thereof.
 - 7. A method for treating a subject for a heart disease, the method comprising: administering a molecularly imprinted polymer (MIP) compound to the subject.
- 8. The method of claim 7, wherein the heart disease is characterized by a condition selected from the group consisting of high cholesterol and oxidized LDL, or a combination thereof.
- 9. The method of claim 8, wherein said molecularly imprinted polymer is capable of binding to the toxin and sequestering the toxin.
- 10. The method of claim 9, wherein said molecularly imprinted polymer comprises at least one functional monomer selected from the group consisting of: 2-, 3- and 4-vinyl-2-hydroxypyridine and N,N'-diethyl(4-vinylphenyl)amidine.
- 11. The method of claim 10, wherein said molecularly imprinted polymer. further comprises a cross-linking agent for cross-linking said at least one functional monomer, wherein said crosslinking agent is selected from the group consisting of ethyleneglycol dimethacrylate, N,N'-diacryloyl- or N,N'-dimethacryloyl

ethylenediamine, N,N'-diacryloyl- or N,N'-dimethacryloyl 1,3-diaminobenzene, N,N'-diacryloyl- or N,N'-dimethacryloyl 1,4-diaminobenzene, a diacrylate or dimethacrylate of 1,2-, 1,3-, or 1,4-dihydroxybenzene, N,N'-(4-vinylbenzoyl)-1, ω -diaminoalkane, and an N,N'-diacryloyl- or N,N'-dimethacryloyl 1, ω -diaminoalkane.

- 12. The method of claim 9, wherein the toxin comprises at least one bile acid or salt, or a combination thereof.
- 13. A method for treating a subject for a disease of the gastrointestinal tract, the method comprising the step of administering a molecularly imprinted polymer (MIP) compound to the subject.
- 14. The method of claim 13, wherein the disease of the gastrointestinal tract is selected from the group consisting of colorectal cancer, a precursor to colorectal cancer, gastroesophageal disease, esophageal cancer, cholestatic liver disease and gallstone disease.
- 15. A method for treating a subject for a disease characterized by a COX-2 mediated inflammatory condition, the method comprising the step of administering a molecularly imprinted polymer (MIP) compound to the subject.

- 16. A method for performing combination therapy for treating a subject for a disease, the method comprising the step of administering a combination of a molecularly imprinted polymer (MIP) compound and at least one additional drug to the subject.
- 17. The method of claim 16, wherein the disease is selected from the group consisting of heart disease, colorectal cancer, gastrointestinal reflux disease liver disease and a disease characterized by a Cox-2 mediated inflammation.
- 18. The method of claim 16, wherein said at least one additional drug alters at least one of the level or composition of the bile in at least a portion of the body.
- 19. The method of claim 18, wherein said at least one additional drug is selected from the group consisting of a non-specific toxic bile acid or salt sequestrant, ursodeoxycholic acid and bile acid or salt transport inhibitors.
- 20. The method of claim 16, wherein said molecularly imprinted polymer is capable of binding to the toxin and sequestering the toxin.
- 21. The method of claim 20, wherein said molecularly imprinted polymer comprises at least one functional monomer selected from the group consisting of: 2-, 3- and 4-vinyl-2-hydroxypyridine and N,N'-diethyl(4-vinylphenyl)amidine.
- 22. The method of claim 21, wherein said molecularly imprinted polymer further comprises a cross-linking agent for cross-linking said at least one functional monomer, wherein said crosslinking agent is selected from the group consisting of

ethyleneglycol dimethacrylate, N,N'-diacryloyl- or N,N'-dimethacryloyl ethylenediamine, N,N'-diacryloyl- or N,N'-dimethacryloyl 1,3-diaminobenzene, N,N'-diacryloyl- or N,N'-dimethacryloyl 1,4-diaminobenzene, a diacrylate or dimethacrylate of 1,2-, 1,3-, or 1,4-dihydroxybenzene, N,N'-(4-vinylbenzoyl)-1, ω -diaminoalkane, and an N,N'-diacryloyl- or N,N'-dimethacryloyl 1, ω -diaminoalkane.

23. The method of claim 22, wherein the toxin comprises at least one bile acid or salt, or a combination thereof.